

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A server for updating road information in a map information providing system ~~for which providing~~provides desired road information in accordance with a request from ~~each~~ at least one of a plurality of terminal units, which are connected via a communication network to the server, which has ~~with road network data information~~ constructed therein, the server comprising:

a location data receiving means for receiving present location data from each of at least one of said terminal units via said communication network, and

a road ~~network data~~ information updating means for creating locus data on the basis of said received present location data ~~thus received~~ and for updating said road ~~network data~~ information with said locus data.

2. (currently amended): The server for updating road information according to claim 1, wherein said road ~~network data~~ information updating means comprises:

a comparing/collating section, ~~for which comparing/collating~~ compares/collates the locus data ~~of~~ created on the basis of said present location data with said road ~~network data~~ information constructed in the server; and

a road information updating section, ~~for which updating~~ updates said road information constructed in the server with said locus data, when a result of comparing/collating said locus

data with said road information constructed in the server indicates that road data information
~~corresponding that corresponds~~ to said locus data has not been defined in ~~said road network~~
~~data the server on the basis of a result of comparing/collating.~~

3. (currently amended): The server for updating road information according to claim 2, wherein said road ~~network data~~ information updating means further comprises a road information updating decision section, ~~for deciding which decides that~~ said locus data ~~as is~~ -data with which to update the road information constructed in the server, when ~~the~~ locus data obtained by a prescribed number of terminal units ~~have~~ are substantially ~~the same~~ locus similar.

4. (currently amended): A method for updating road information ~~in~~ in a map information providing system ~~for which providing~~ provides desired road information from a road network site, with which has road ~~network data~~ information constructed therein, in accordance with a request from ~~each~~ at least one of a plurality of terminal units, which are connected to the road network site via a communication network, ~~a method of updating road information, the~~ method comprising:

~~in~~ at said road network site, receiving present location data from at least one of said terminal units via a ~~said~~ communication network;

creating locus data on the basis of the received -present location data; and

updating said road ~~network data~~ information constructed in said road network site on the basis of said created locus data.

5. (currently amended): The method of updating road information according to claim 4, further comprising:

comparing/collating said created locus data ~~based on the received present location data~~
with said road information constructed in said road network site ~~network data~~; and
updating said road information constructed in said road network site with said created locus data, when a result of comparing/collating said created locus data with said road information constructed in said road network site indicates that road information
~~corresponding that corresponds~~ to said created locus data ~~is~~ has not been previously defined as
road information constructed in said road network site ~~as said road network data on the basis of a~~
~~result of comparing/collating.~~

6. (currently amended): The method of updating road information according to claim 5, further comprising ~~the step of deciding that~~ said created locus data ~~as is~~ data with which
to update the road information constructed in said road network site ~~on the basis of~~
~~comparison/collation when the locus data obtained by a prescribed number of terminal units~~
~~have~~ are substantially ~~the same locus~~ similar.

7. (currently amended): The method of updating road information according to claim 4, wherein:

map information includes node data, which is indicative of a point on a map, and link
data, which is indicative of a road on the map, and

said road network site correlates said node data and said link data and transmits these correlated data as road ~~data~~ information to be updated to ~~each~~ at least one of the terminal units according to ~~the~~ a request therefrom from said at least one of the terminal units.

8. (currently amended): A server program for a server ~~for which~~ updating updates road information in a map information providing system, ~~for which~~ providing provides desired road information from a road network site, with road ~~network data~~ information constructed ~~therein~~ in the road network site in accordance with a request from ~~each~~ at least one of a plurality of terminal units, which are connected to the road network site via a communication network, wherein the server program comprises comprising:

a first step of receiving present location data from ~~each~~ at least one of said terminal units via said communication network; ~~and~~

a second step of creating locus data on the basis of the received present location data; ~~thus received~~

a third step of to update updating said road ~~network data~~ information.

9. (currently amended): The server program for a server ~~for which~~ updating updates road information according to claim 8, wherein said second step causes a computer to execute ~~the steps of~~ comprising:

comparing/collating said locus data ~~of said present location data~~ with said road ~~network data~~ information constructed in the road network site; and

updating said road information constructed in the road network site with said locus data when a result of comparing/collating said locus data with said road data-information constructed in the road network site indicates that road information that ~~corresponding~~ corresponds to said locus data has not been previously defined as said road network information data on the basis of a result of comparing/collating constructed in said road network site.

10. (currently amended): The server program for a server ~~for which~~ updating updates road information according to claim 8, wherein said second step causes a computer to execute the step of deciding that said locus data as is data with which to update the road information constructed in said road network site when ~~the~~ locus data obtained by a prescribed number of terminal units ~~have~~ are substantially ~~the same locus~~ similar.

11. (currently amended): A computer-readable storage medium storing a server program for a server ~~for which~~ updating updates road information in a map information providing system, which for providing provides desired road information from a road network site, with road ~~network information data~~ constructed therein in the road network site in accordance with a request from ~~each of~~ at least one of a plurality of terminal units, which are connected to the road network site via a communication network, wherein said sever program comprises:

a first step of receiving present location data from at least one of said ~~each of~~ terminal units via said communication network; ~~and~~

a second step of creating locus data on the basis of the received present location data ~~thus received~~;

~~-a third step of to update~~updating said road ~~network-information~~data.

12. (currently amended): The computer-readable storage medium- storing the server program for the server ~~for which updating~~updates road information in the map information providing system according to claim 11, wherein said second step further comprises the steps of:

comparing/collating said locus data ~~of said present location data~~ with said road ~~network information~~data constructed in the road network site; and

updating said road information constructed in the road network site with said locus data when a result of comparing/collating said locus data with said road information~~data~~ constructed in the road network site indicates that road information that ~~corresponding~~corresponds to said locus data has not been previously defined as said road ~~network-information~~data constructed in the road network site~~on the basis of a result of comparing/ collating~~.

13. (currently amended): The computer-readable storage medium- storing the server program for the server ~~for which updating~~updates road information in the map information providing system according to claim 12, wherein said second step further comprises the step of deciding that said locus data ~~as is~~is data with which to update the road information constructed in said road network site when ~~the~~ locus data obtained by a prescribed number of terminal units ~~have~~are substantially the same~~locus~~similar.